LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.863	809	812	816	rBV	1665731	1403194	2.78%	0.224%
2	7.045	841	843	847	rVB	1781057	1614329	3.19%	0.258%
3	7.886	981	986	991	rBV3	1369801	1897101	3.75%	0.303%
4	8.192	1025	1038	1040	rBV	13979806	28632351	56.66%	4.578%
5	8.228	1040	1044	1047	rVB	3085184	2533577	5.01%	0.405%
6	8.880	1148	1155	1158	rVV	14039623	21665785	42.88%	3.464%
7	8.916	1158	1161	1164	rVV	1502130	1414736	2.80%	0.226%
8	8.969	1164	1170	1173	rVV	10979856	12982494	25.69%	2.076%
9	9.328	1223	1231	1234	rBV	8394843	8013510	15.86%	1.281%
10	9.422	1244	1247	1252	rVB	3483884	3658050	7.24%	0.585%
11	9.498	1252	1260	1263	rBV2	7024133	10940182	21.65%	1.749%
12	9.569	1266	1272	1274	rVV	7764888	9365211	18.53%	1.497%
13	9.592	1274	1276	1279	rVV	6783686	5399576	10.69%	0.863%
14	9.680	1285	1291	1299	rVV	6298378	7839116	15.51%	1.253%
15	9.763	1299	1305	1309	rVB2	4098359	3613523	7.15%	0.578%
16	9.892	1320	1327	1331	rVV2	4262390	5361130	10.61%	0.857%
17	9.951	1331	1337	1339	rVV	13543148	19506404	38.60%	3.119%
18	10.010	1343	1347	1352	rVV2	1353984	2043380	4.04%	0.327%
19	10.063	1352	1356	1358	rVV2	2011215	2044873	4.05%	0.327%
20	10.122	1360	1366	1368	rVV	12341592	18867006	37.34%	3.016%
21	10.145	1368	1370	1378	rVB	2706051	2500406	4.95%	0.400%
22	10.222	1378	1383	1385	rBV2	2176686	2441439	4.83%	0.390%
23	10.251	1385	1388	1393	rVB	3473327	3018014	5.97%	0.483%
24	10.310	1393	1398	1400	rBV2	1694898	2254340	4.46%	0.360%
25	10.416	1414	1416	1418	rVV2	1228544	1116969	2.21%	0.179%
26	10.474	1418	1426	1428	rVV	14493383	25882269	51.22%	4.138%
27	10.504	1428	1431	1432	rVV	1910489	1611372	3.19%	0.258%
28	10.522	1432	1434	1435	rVV2	2569973	2189235	4.33%	0.350%
29	10.545	1435	1438	1440	rVV2	4054276	4289994	8.49%	0.686%
30	10.569	1440	1442	1443	rVV	1568874	1376074	2.72%	0.220%
31	10.586	1443	1445	1447	rVV	3632454	3442150	6.81%	0.550%
32	10.610	1447	1449	1453	rVV	5624623	5150954	10.19%	0.824%
33	10.692	1456	1463	1467	rVV2	6389123	10661078	21.10%	1.704%
34	10.816	1479	1484	1490	rVB4	1196303	1935393	3.83%	0.309%

LSC Area Percent Report

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Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.880	1490	1495	1499	rBV3	1933792	2178676	4.31%	0.348%
36	10.998	1507	1515	1518	rVV2	4964407	7075433	14.00%	1.131%
37	11.027	1518	1520	1523	rVV	2538736	2565538	5.08%	0.410%
38	11.080	1526	1529	1532	rVV2	2347443	2338450	4.63%	0.374%
39	11.127	1532	1537	1539	rVV3	2163337	3355200	6.64%	0.536%
40	11.151	1539	1541	1546	rVV	2232088	2976896	5.89%	0.476%
41	11.198	1546	1549	1553	rVV3	1143220	1585425	3.14%	0.253%
42	11.239	1553	1556	1560	rVV2	2340873	3317666	6.57%	0.530%
43	11.286	1560	1564	1572	rVB	5962255	7104019	14.06%	1.136%
44	11.451	1578	1592	1594	rBV	16014938	44649237	88.36%	7.138%
45	11.521	1594	1604	1608	rVV2	16929016	50530126	100.00%	8.079%
46	11.563	1608	1611	1615	rVV	2877997	2827167	5.60%	0.452%
47	11.651	1615	1626	1629	rVV	12960206	25529851	50.52%	4.082%
48	11.692	1630	1633	1635	rVV	1776576	1898703	3.76%	0.304%
49	11.727	1637	1639	1643	rVV3	1247303	1627974	3.22%	0.260%
50	11.804	1649	1652	1657	rVV	862688	1107526	2.19%	0.177%
51	11.898	1661	1668	1670	rBV	6200213	6632178	13.13%	1.060%
52	11.927	1670	1673	1677	rVB	8089355	7976105	15.78%	1.275%
53	11.980	1677	1682	1684	rBV	6922697	7735852	15.31%	1.237%
54	12.016	1684	1688	1694	rVV2	9322654	14762163	29.21%	2.360%
55	12.069	1694	1697	1699	rVV	2216989	2071813	4.10%	0.331%
56	12.098	1699	1702	1704	rVV	2379796	2025301	4.01%	0.324%
57	12.186	1713	1717	1720	rVV	4394820	3972749	7.86%	0.635%
58	12.333	1737	1742	1745	rBV2	1172776	1251748	2.48%	0.200%
59	12.445	1754	1761	1764	rBV	2651751	3524653	6.98%	0.564%
60	12.480	1764	1767	1769	rVV	1781195	2104141	4.16%	0.336%
61	12.539	1773	1777	1783	rVB3	917814	1700486	3.37%	0.272%
62	12.627	1784	1792	1794	rBV	13726296	24280431	48.05%	3.882%
63	12.698	1802	1804	1807	rVB	1566278	1305616	2.58%	0.209%
64	12.757	1807	1814	1816	rBV2	1407312	1862632	3.69%	0.298%
65	12.839	1822	1828	1829	rBV2	11667194	16500638	32.66%	2.638%
66	12.880	1833	1835	1840	rVB2	2031519	2302167	4.56%	0.368%
67	12.951	1840	1847	1851	rBV	2764240	3387367	6.70%	0.542%
68	12.992	1851	1854	1857	rVB	1366153	1471263	2.91%	0.235%
69	13.051	1858	1864	1867	rBV2	2360085	4310423	8.53%	0.689%
70	13.133	1871	1878	1880	rBV4	2006888	3217986	6.37%	0.514%
71	13.163	1880	1883	1886	rVB	6626591	6757693	13.37%	1.080%

LSC Area Percent Report

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Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.227	1890	1894	1897	rVV	6518500	7485960	14.81%	1.197%
73	13.263	1897	1900	1903	rVV2	3139150	4043357	8.00%	0.646%
74	13.357	1912	1916	1918	rVV	1433257	1409371	2.79%	0.225%
75	13.386	1918	1921	1927	rVB3	1701089	2042531	4.04%	0.327%
76	13.639	1960	1964	1967	rBV2	1271759	1772968	3.51%	0.283%
77	13.774	1983	1987	1990	rBV	1986138	2550812	5.05%	0.408%
78	13.804	1990	1992	1994	rVV	2365022	2121186	4.20%	0.339%
79	13.833	1994	1997	2009	rVB3	1867741	3723597	7.37%	0.595%
80	14.027	2022	2030	2033	rBV2	9936208	16697249	33.04%	2.670%
81	14.062	2033	2036	2041	rVB	9204460	10402021	20.59%	1.663%
82	14.133	2046	2048	2052	rVV	1927742	2081911	4.12%	0.333%
83	14.215	2058	2062	2064	rVB	3176137	3047504	6.03%	0.487%
84	14.245	2064	2067	2072	rBV3	1926725	2018986	4.00%	0.323%
85	14.362	2081	2087	2088	rBV	1005369	1690058	3.34%	0.270%
86	14.410	2091	2095	2098	rVV	2862574	3681735	7.29%	0.589%
87	14.445	2098	2101	2104	rVV2	1631768	1755501	3.47%	0.281%
88	14.504	2106	2111	2114	rVV2	1560874	2614061	5.17%	0.418%
89	14.533	2114	2116	2118	rVV	1552407	1597286	3.16%	0.255%
90	14.557	2118	2120	2124	rVV2	2276904	2109979	4.18%	0.337%
91	14.604	2124	2128	2134	rVB4	924368	1442364	2.85%	0.231%
92	15.080	2201	2209	2211	rBV	5580114	10782191	21.34%	1.724%
93	15.174	2221	2225	2232	rVB	1888374	2085500	4.13%	0.333%
94	15.374	2254	2259	2264	rVB	3010712	4499948	8.91%	0.719%
95	15.439	2264	2270	2275	rBV	4727533	6587147	13.04%	1.053%
96	15.492	2275	2279	2282	rVV	1320544	1921891	3.80%	0.307%
97	15.527	2282	2285	2291	rVB2	1618953	2322443	4.60%	0.371%
98	16.962	2522	2529	2538	rVB2	1634708	3354580	6.64%	0.536%
99	17.409	2598	2605	2614	rVB	955132	2055852	4.07%	0.329%
100	17.639	2638	2644	2659	rVB2	416880	1092762	2.16%	0.175%

Sum of corrected areas: 625477258

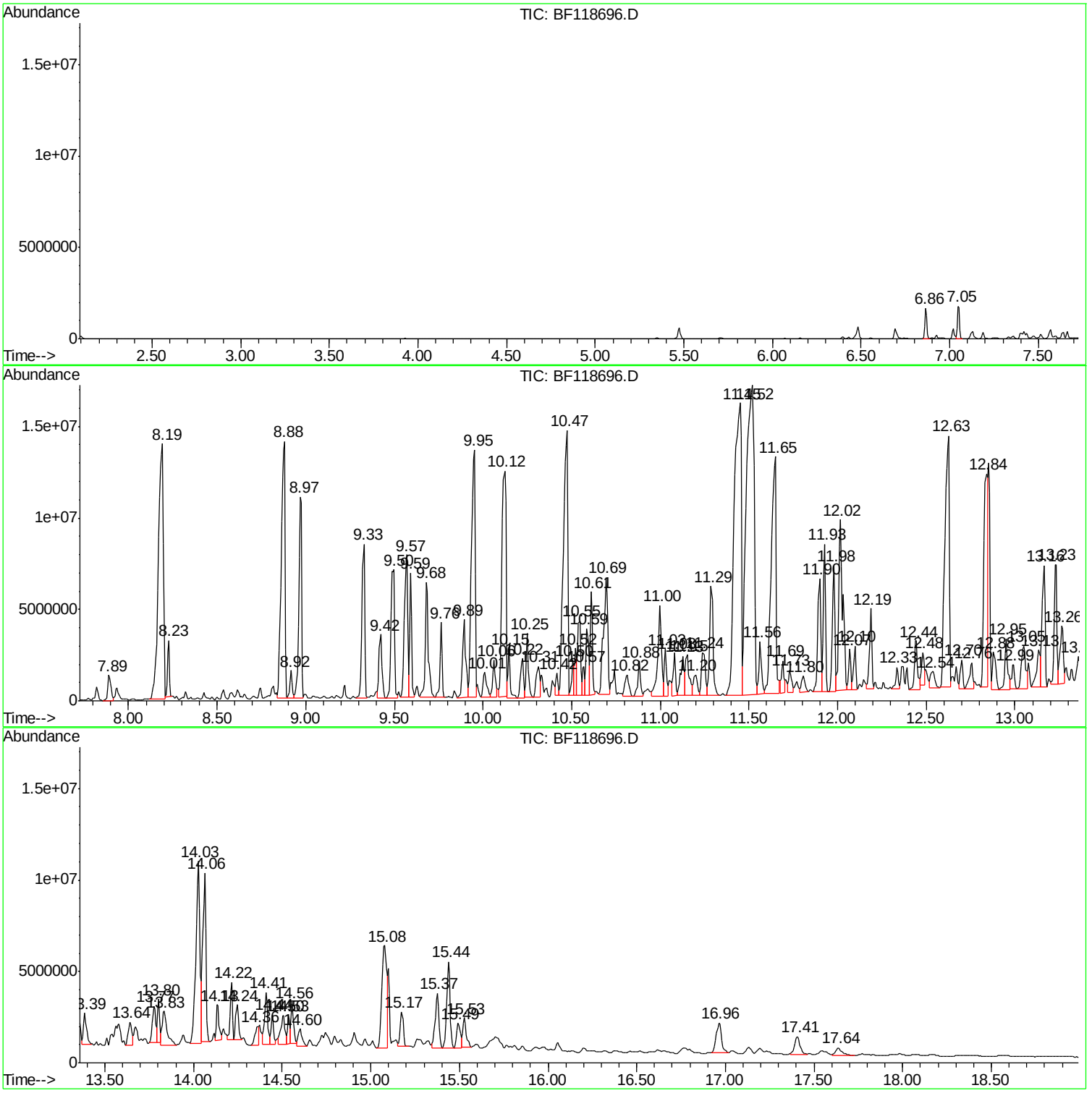
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

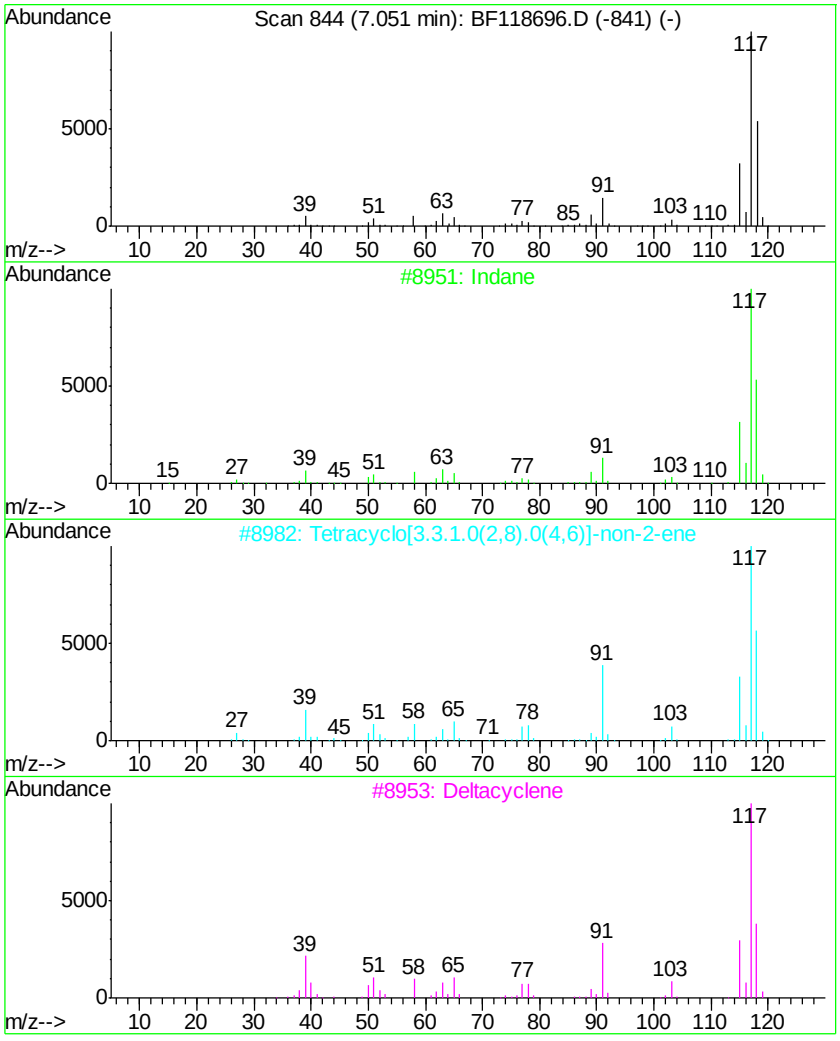
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

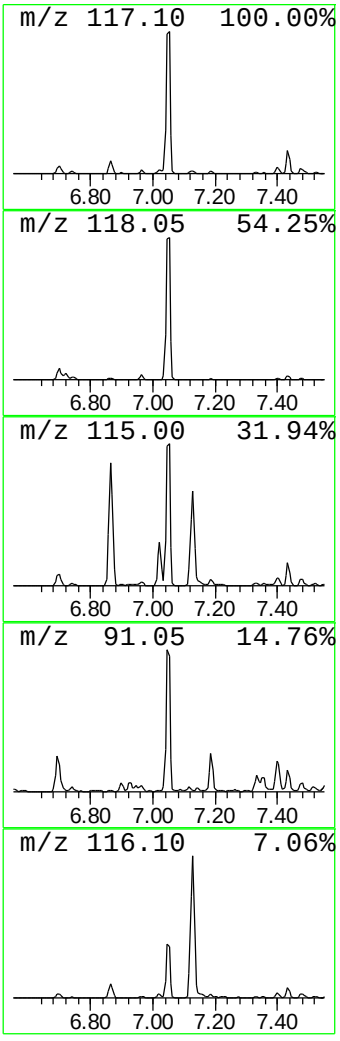
****

Peak Number 1 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	23.01 ng	1614330	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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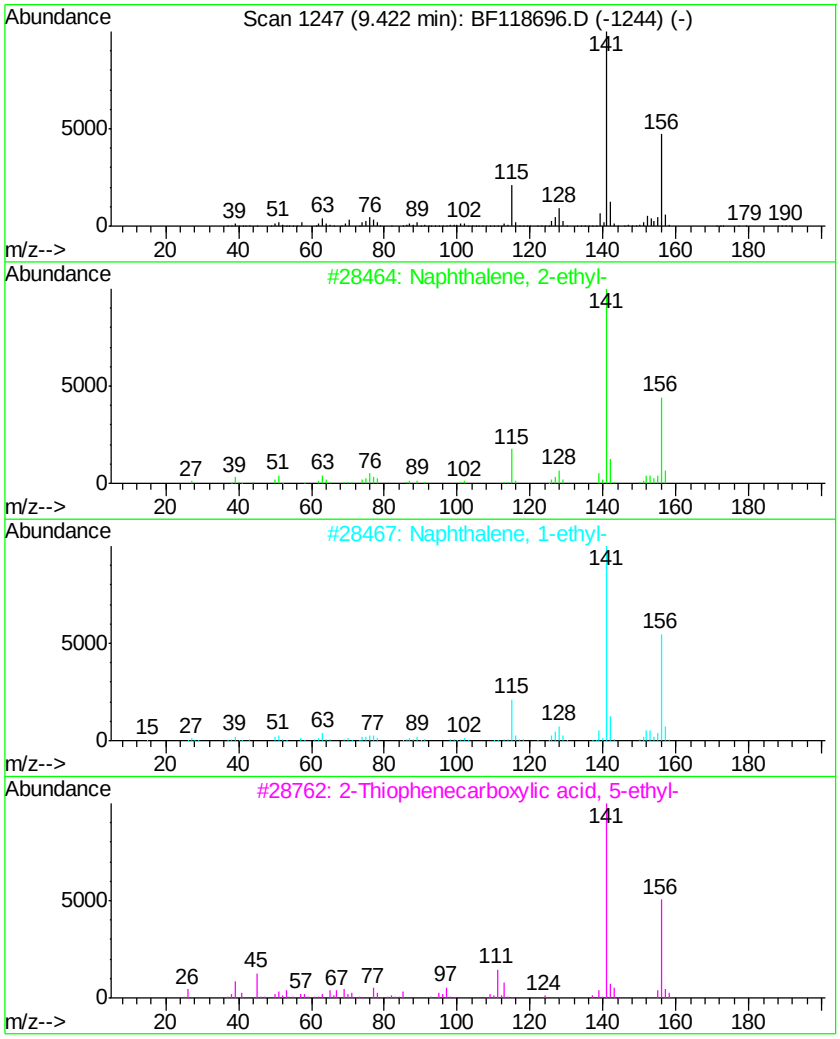
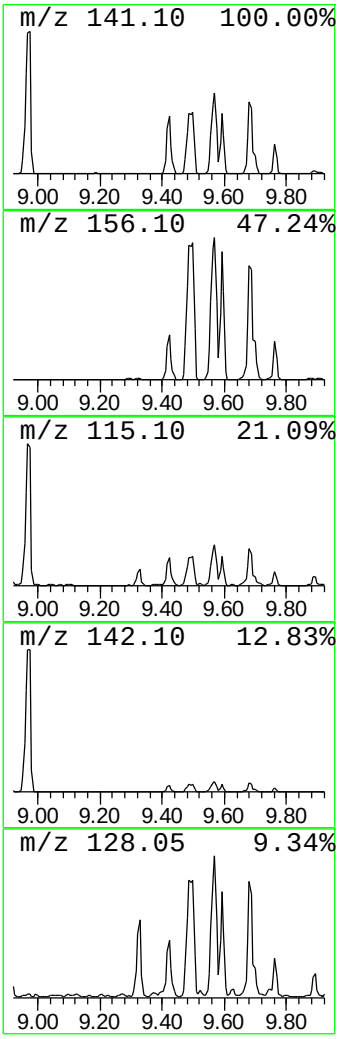
Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	13.65 ng	3658050	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	1-Ethanone, 1-[3-methoxy-4-(1-na...	306	C20H18O3	1000338-31-5	47
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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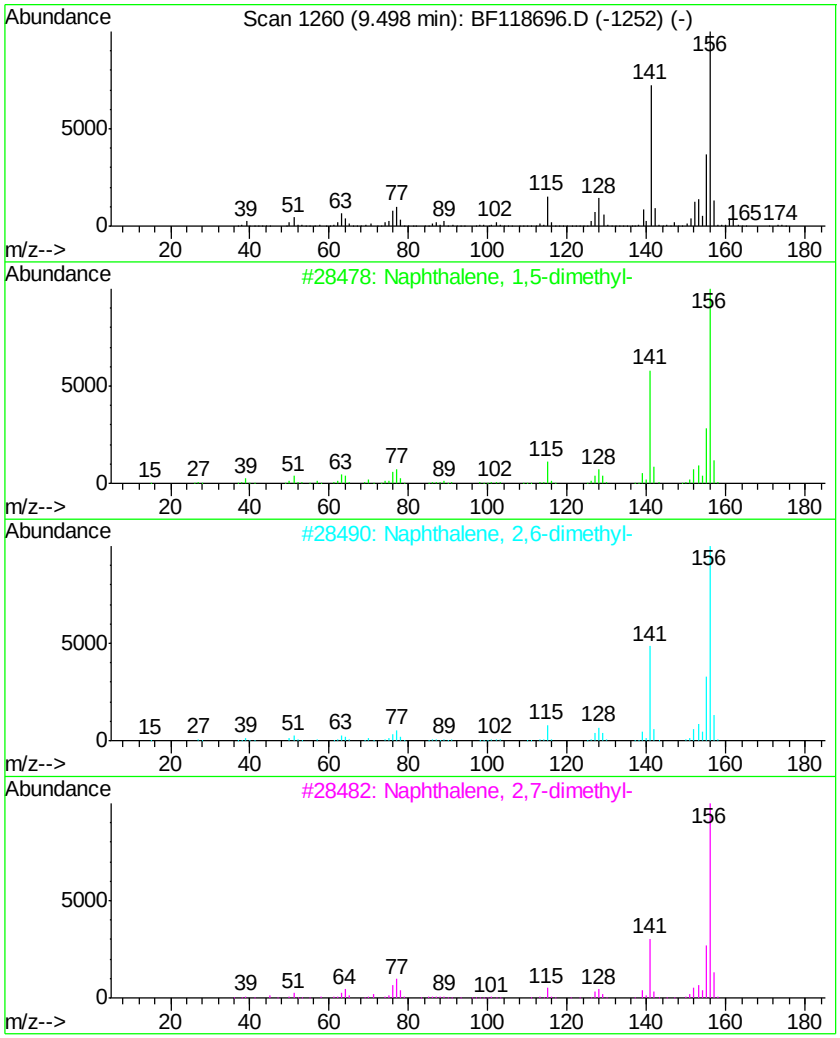
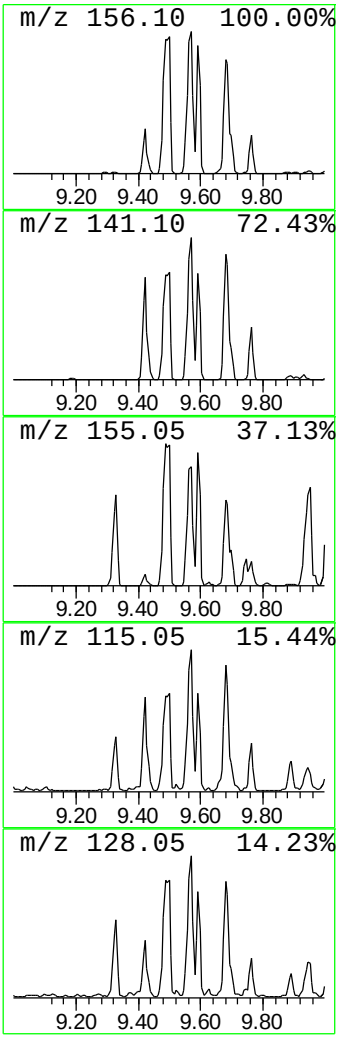
Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	40.81 ng	10940200	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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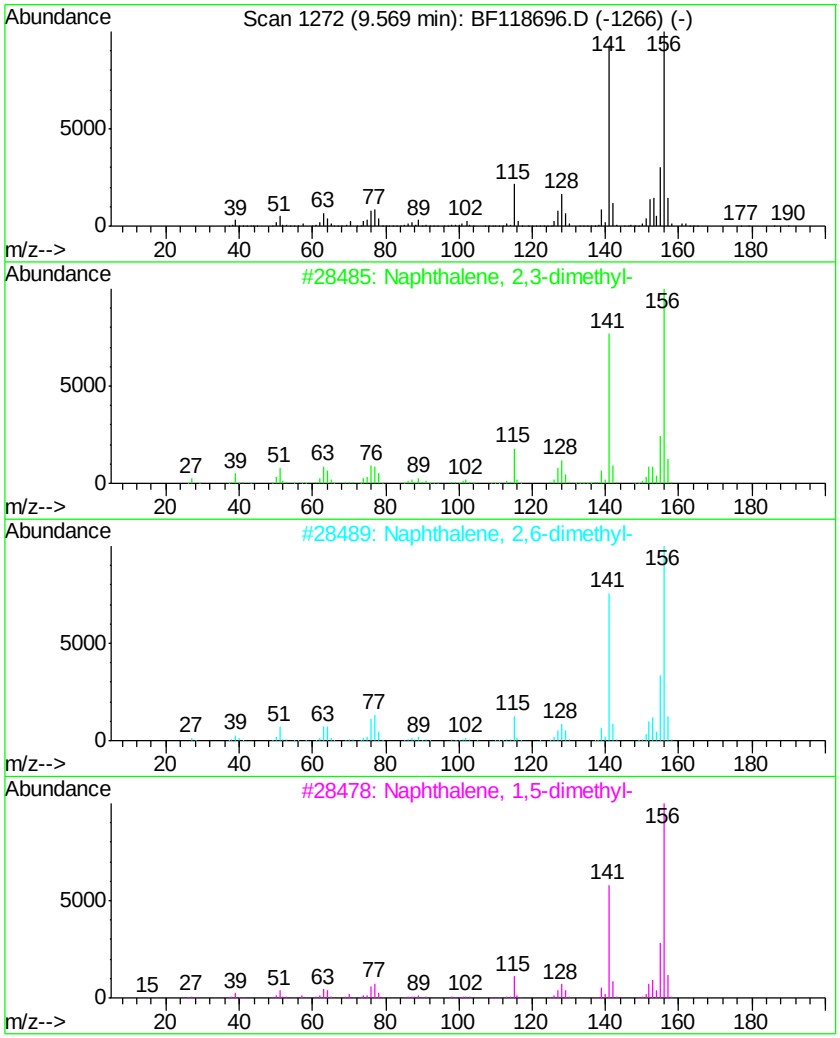
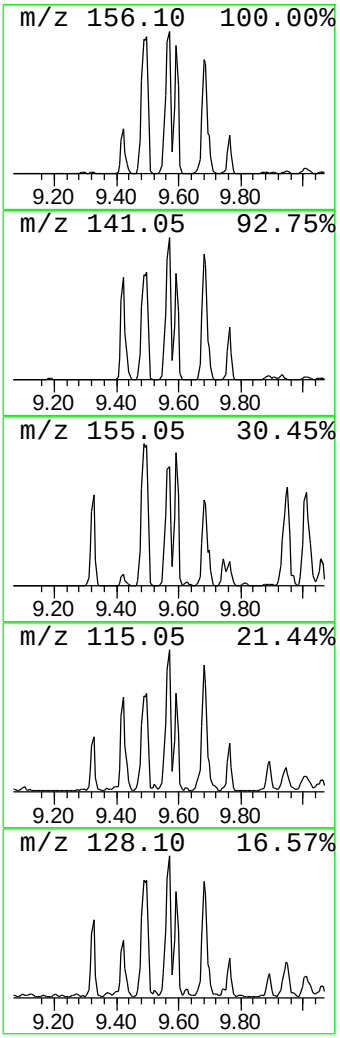
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	34.94 ng	9365210	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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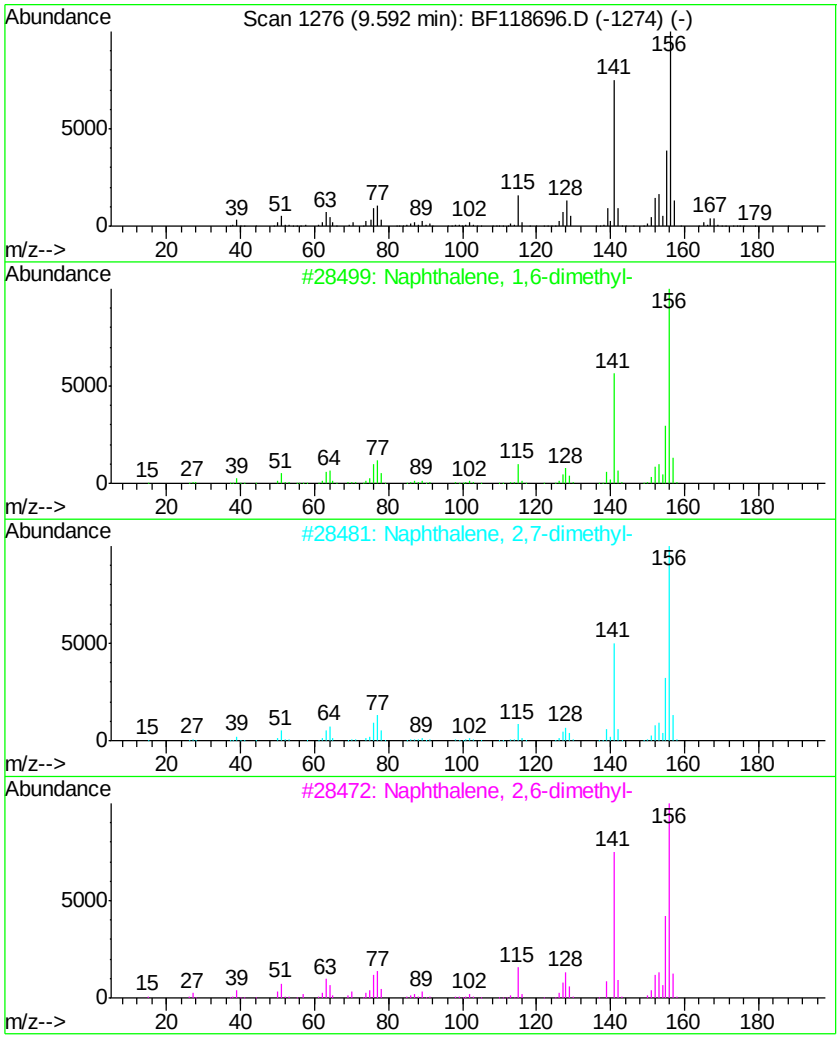
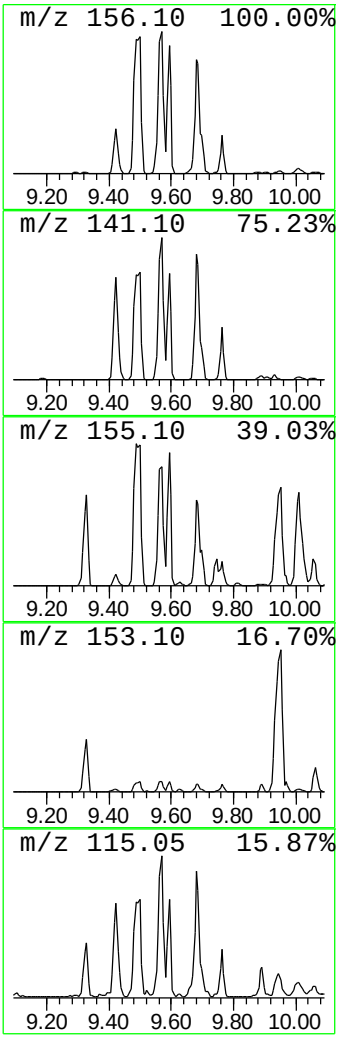
Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	20.14 ng	5399580	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

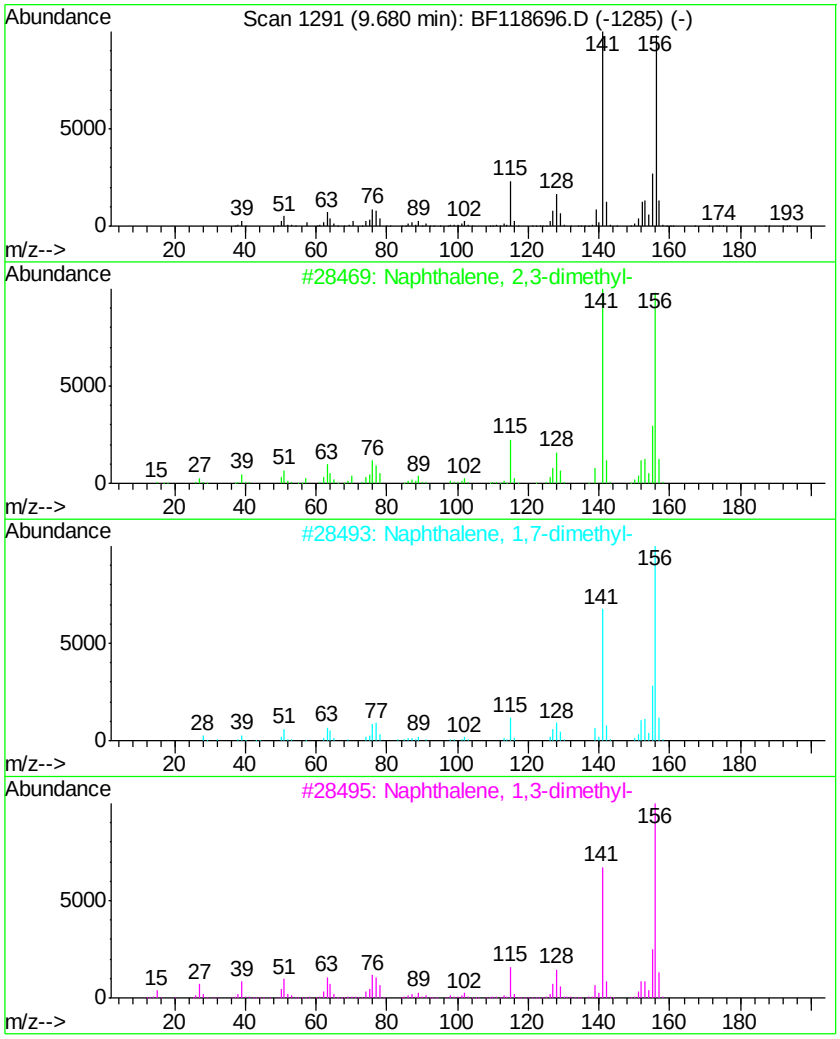
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

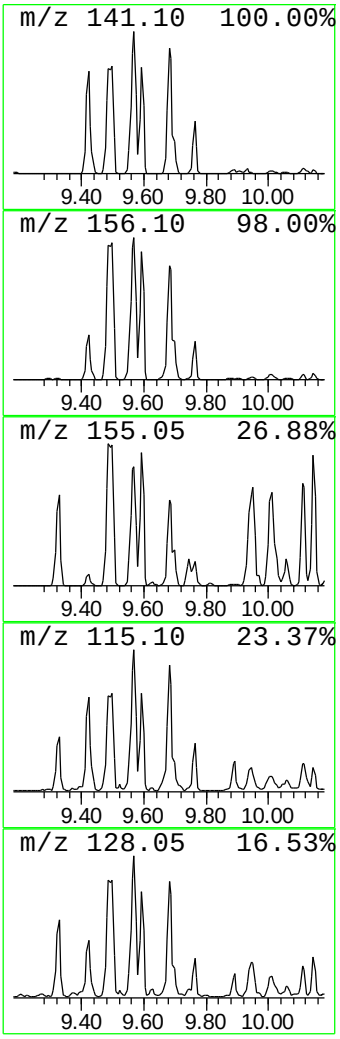
****

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	29.24 ng	7839120	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

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Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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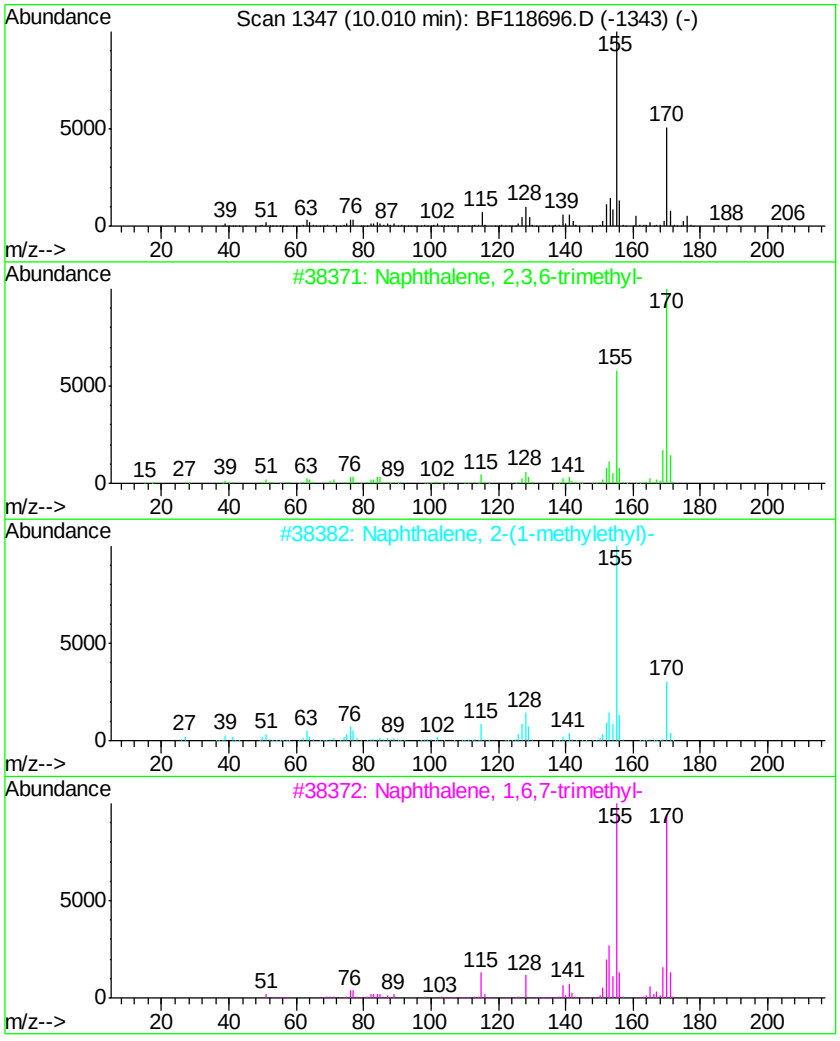
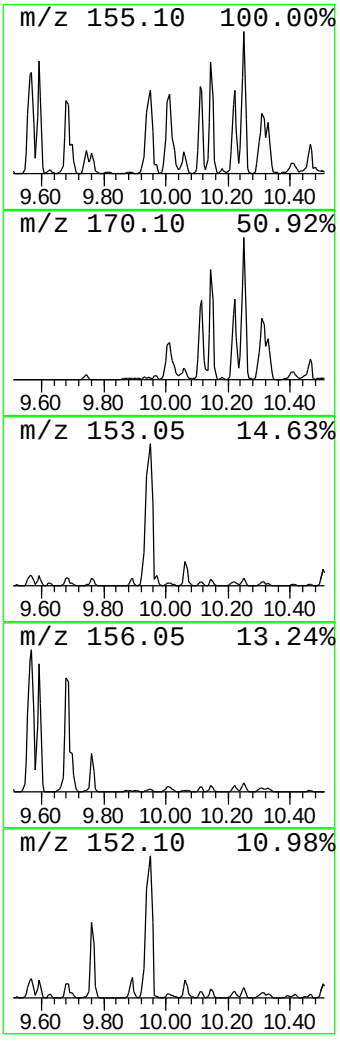
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	7.62 ng	2043380	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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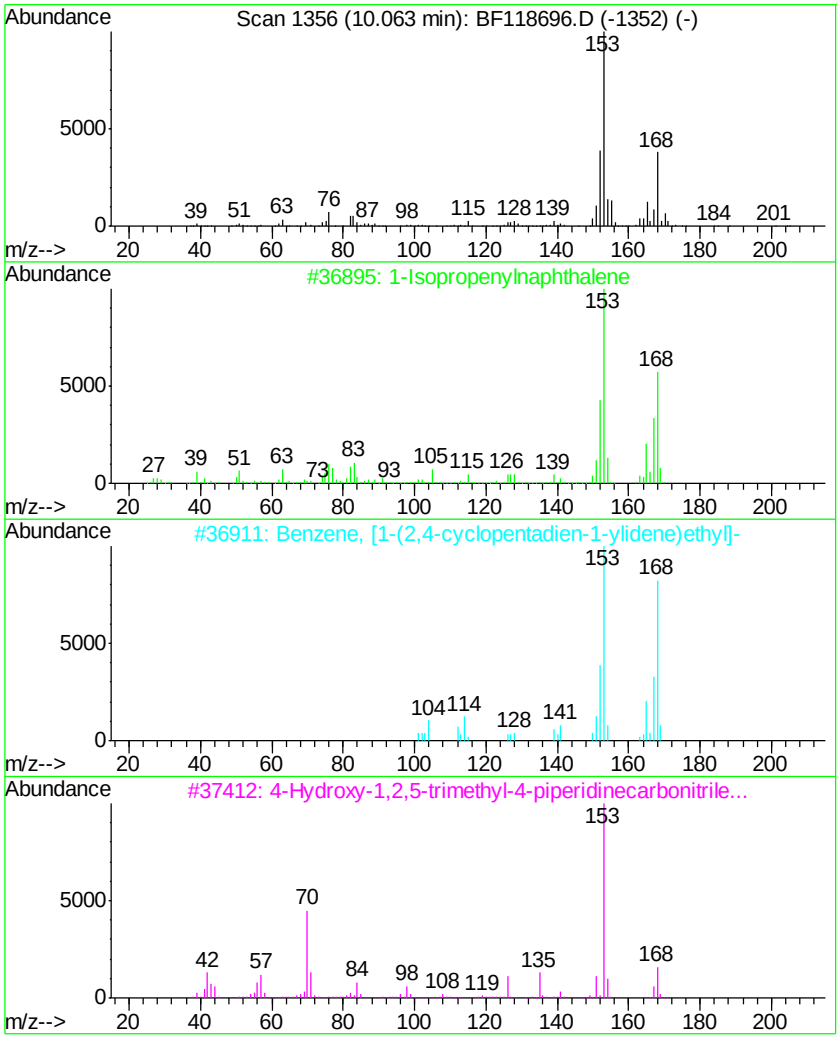
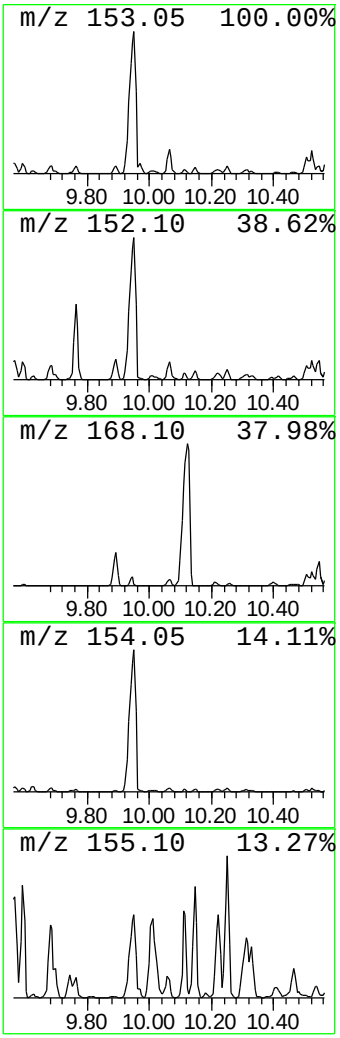
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	7.63 ng	2044870	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	50
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	43
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	38





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Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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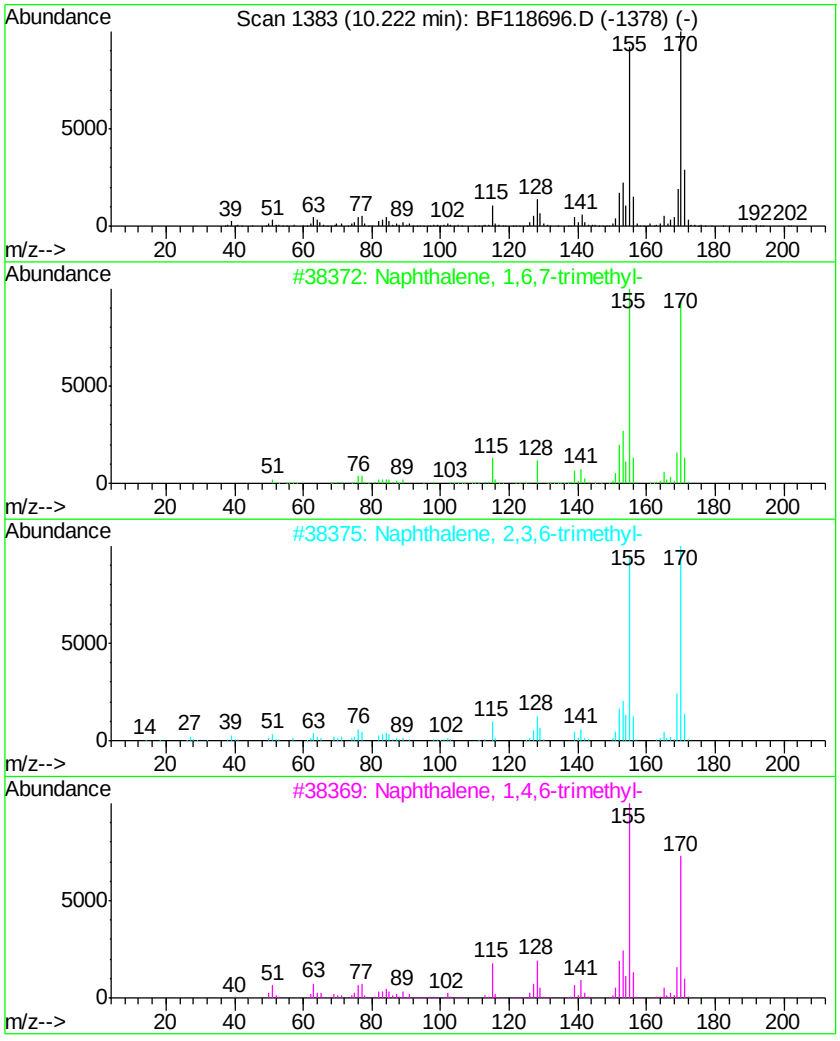
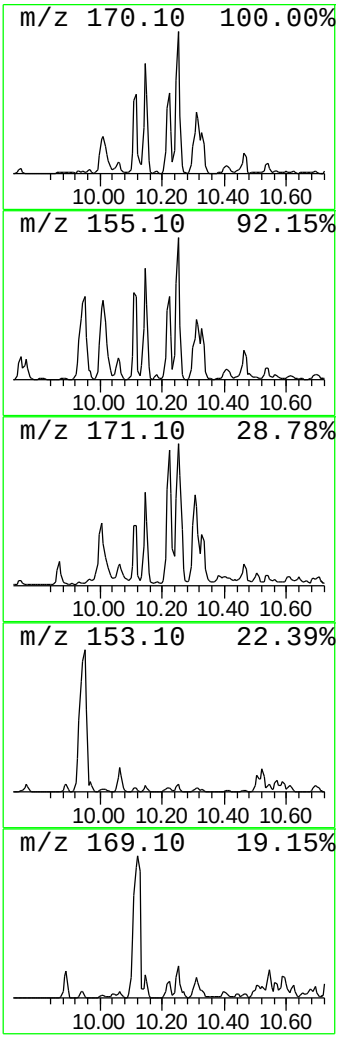
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	9.11 ng	2441440	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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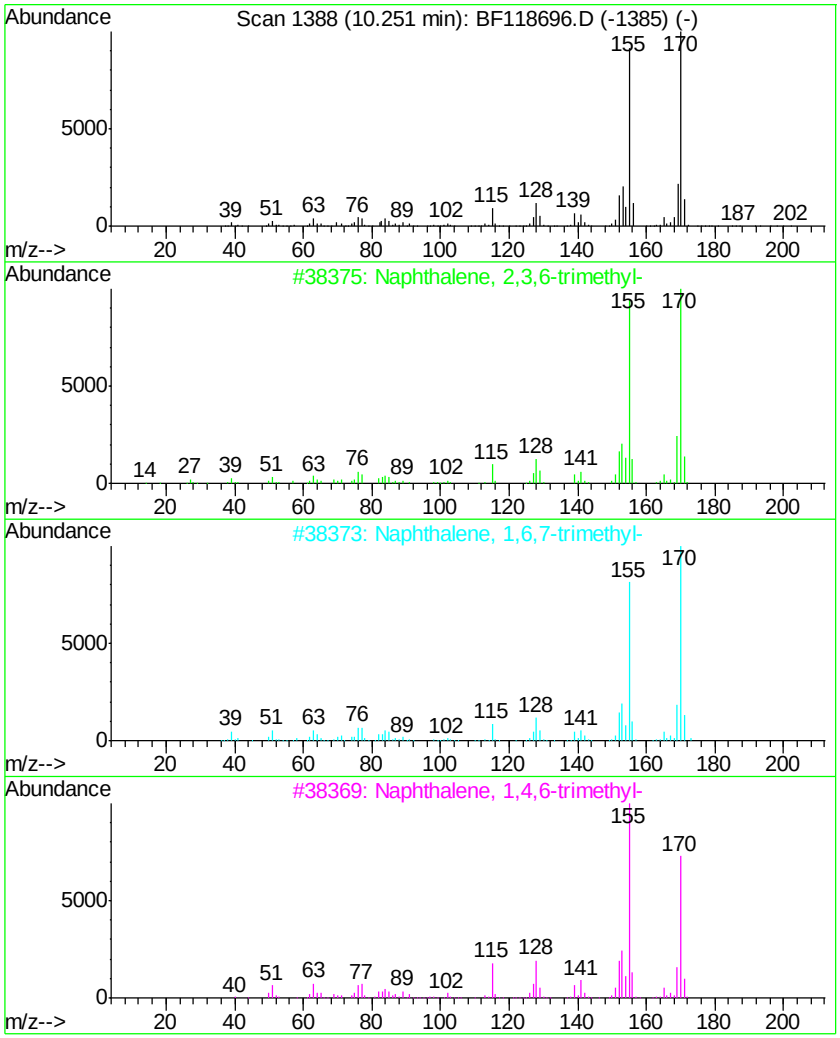
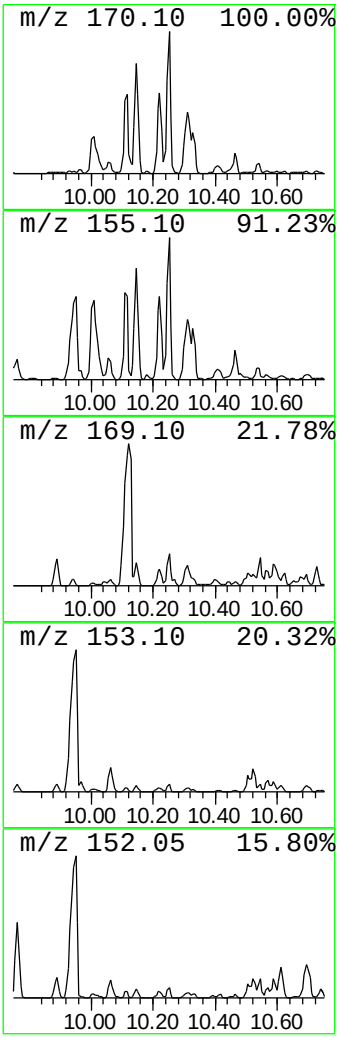
Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	11.26 ng	3018010	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87





Library Search Compound Report

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Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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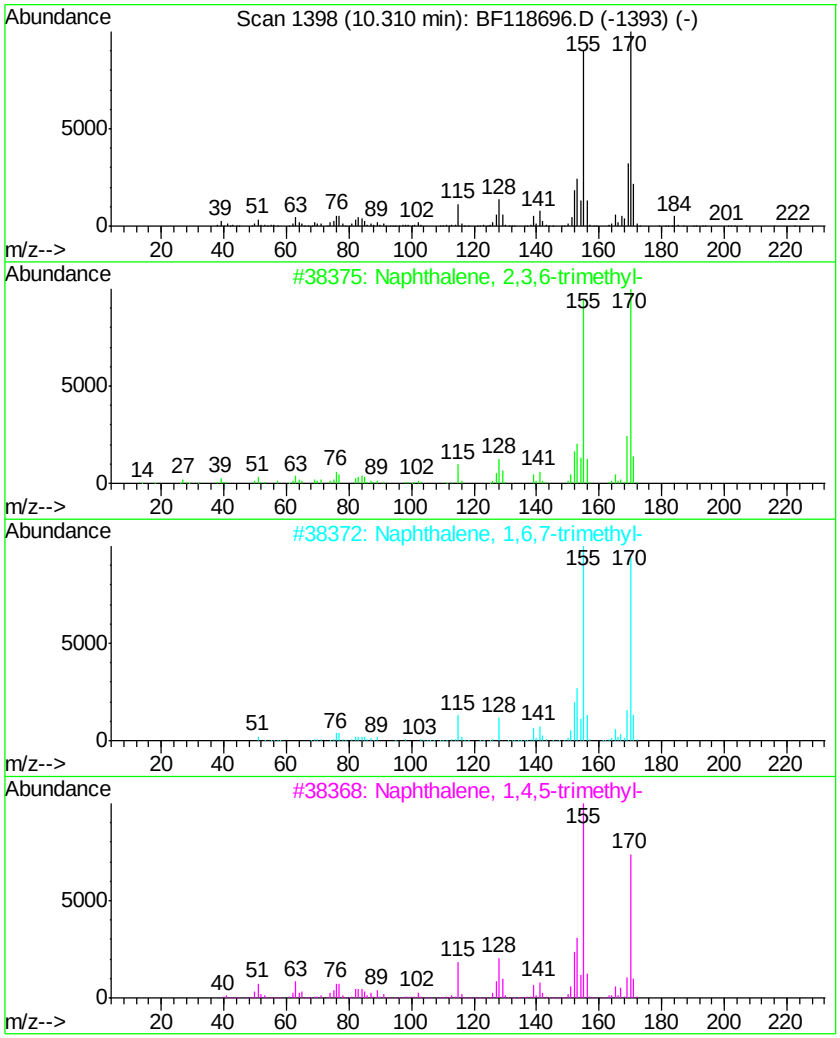
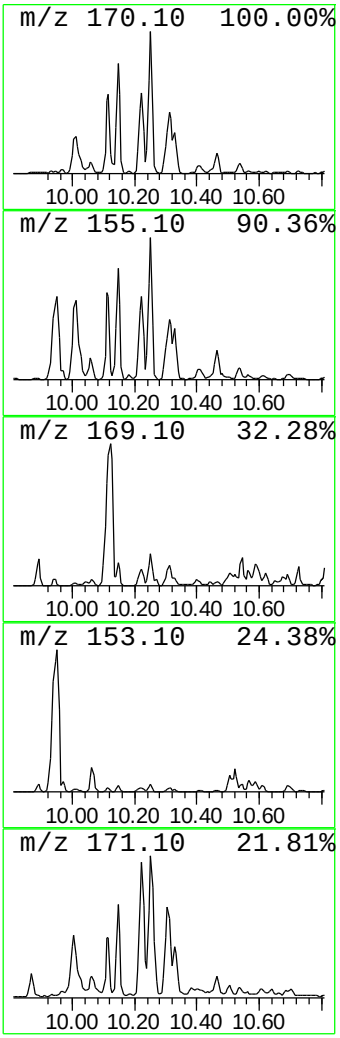
Peak Number 11 4,6,8-Trimethylazulene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	8.41 ng	2254340	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





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Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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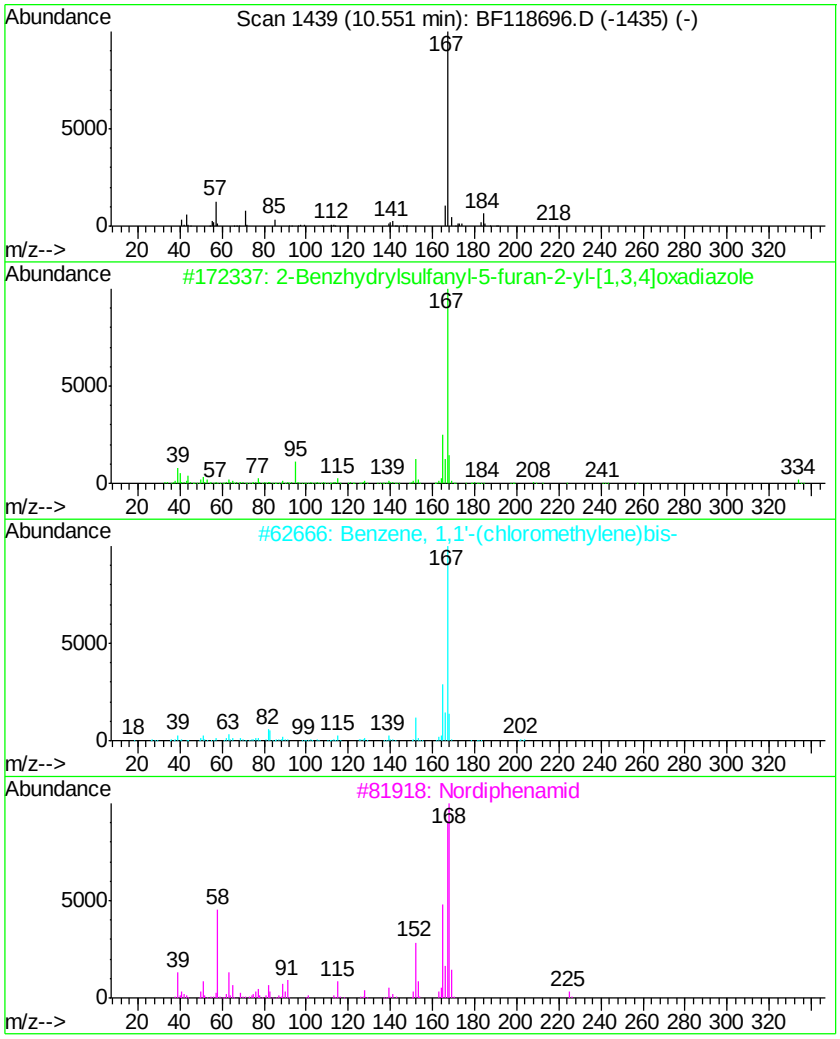
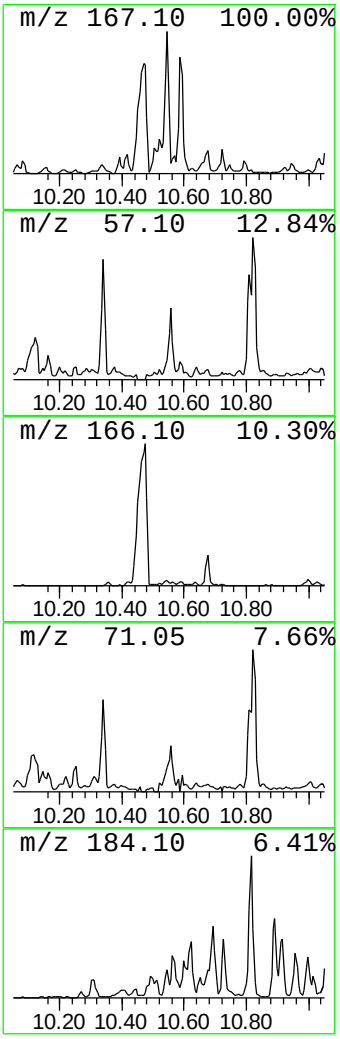
Peak Number 12 2-Benzhydrylsulfanyl-5-fura... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	16.00 ng	4289990	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzhydrylsulfanyl-5-furan-2-y...	334	C19H14N2O2S	350497-80-2	53
2	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
3	Nordiphenamid	225	C15H15NO	000954-21-2	50
4	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	47
5	Benzenemethanethiol, .alpha.-phe...	200	C13H12S	004237-48-3	47





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Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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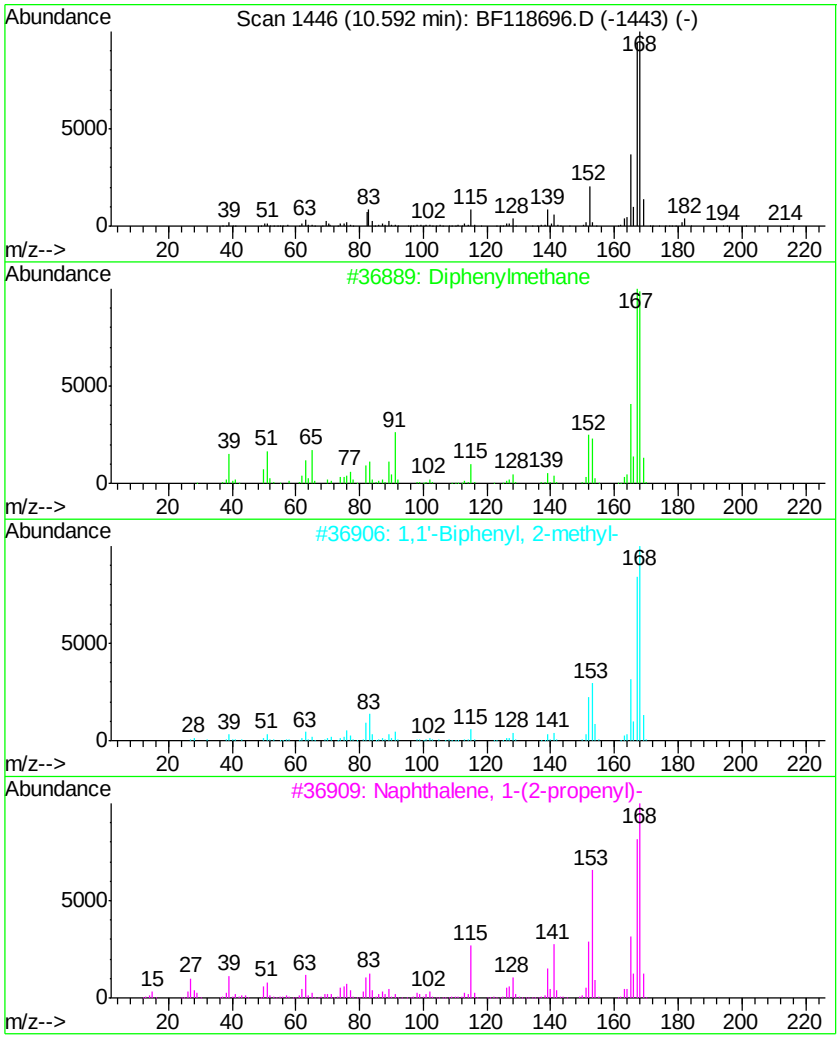
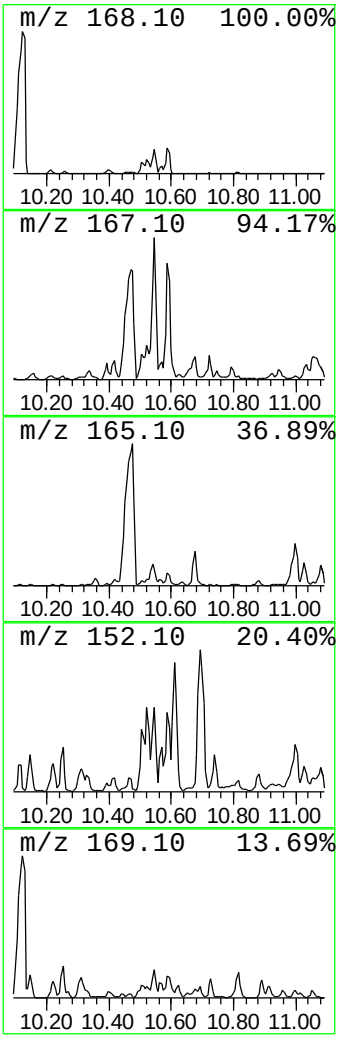
Peak Number 13 Diphenylmethane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	12.84 ng	3442150	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	91
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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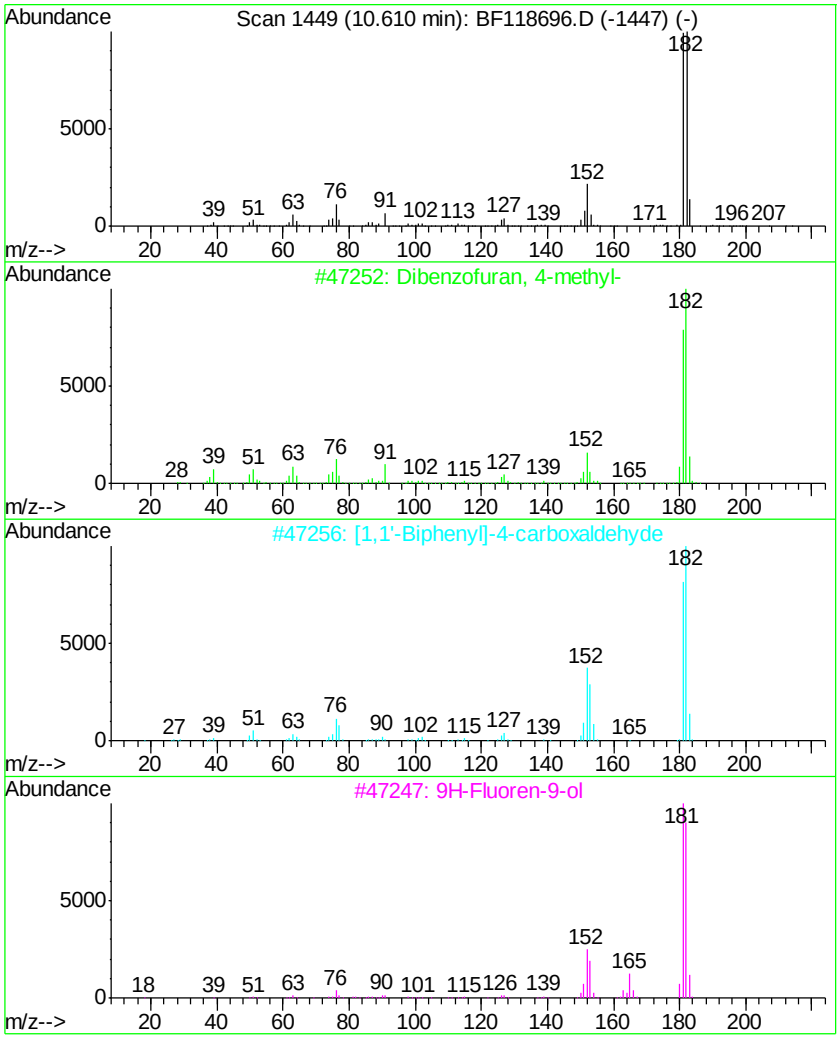
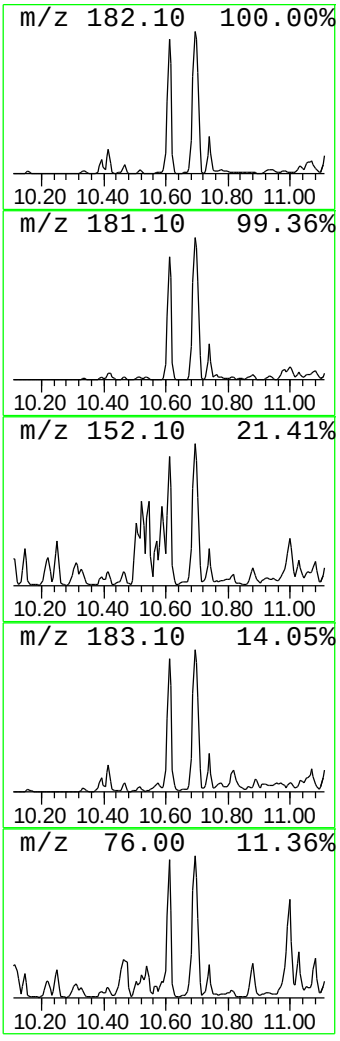
Peak Number 14 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	19.22 ng	5150950	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	72
5	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64





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Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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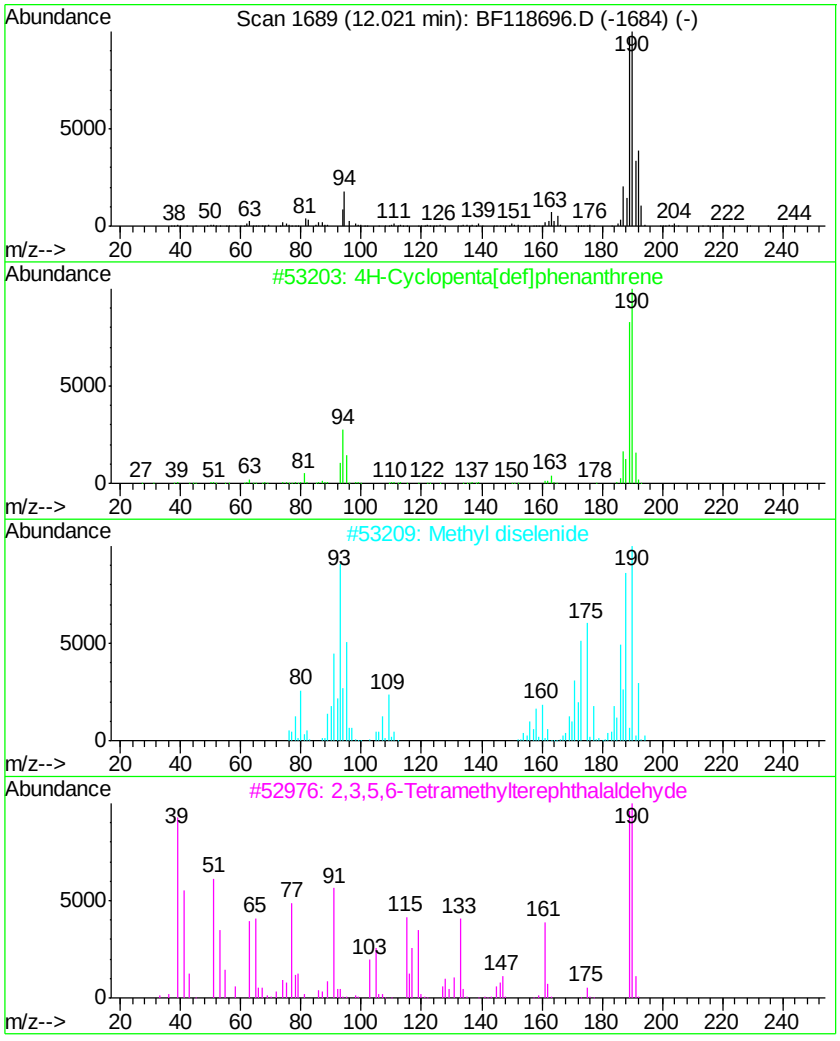
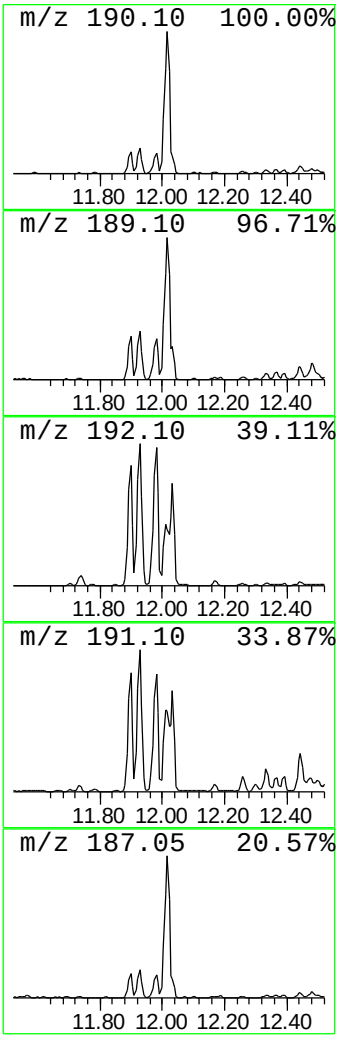
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.61 ng	14762200	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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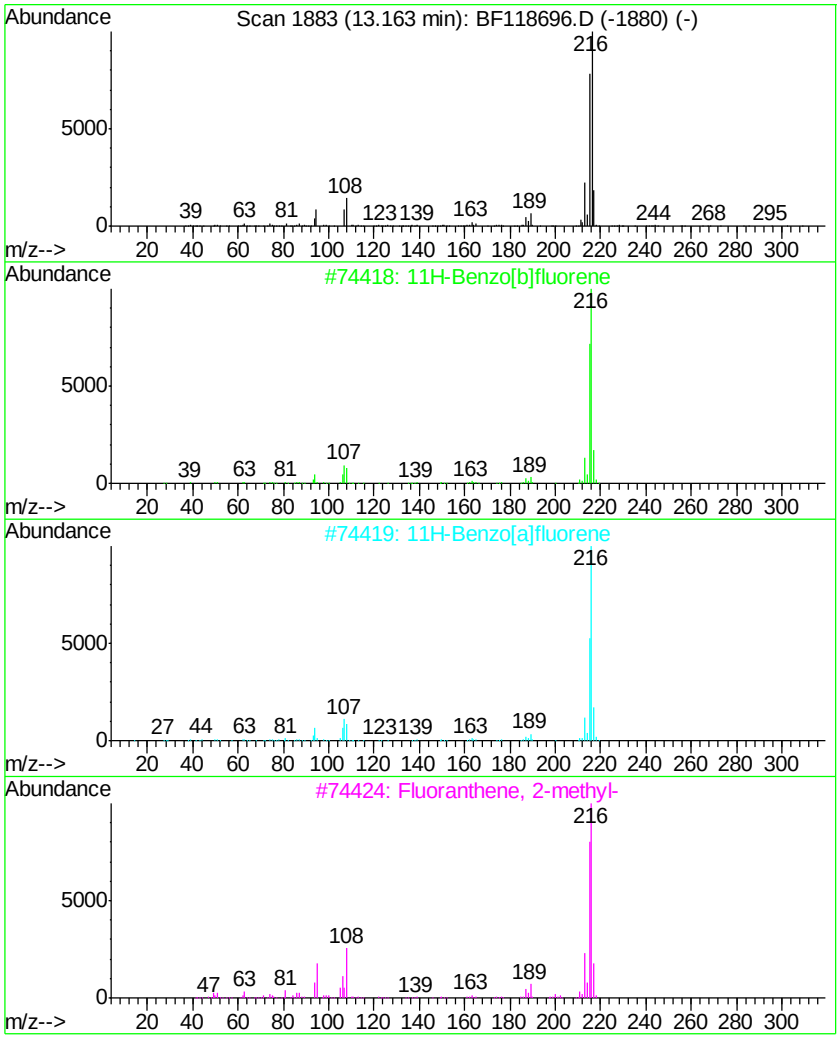
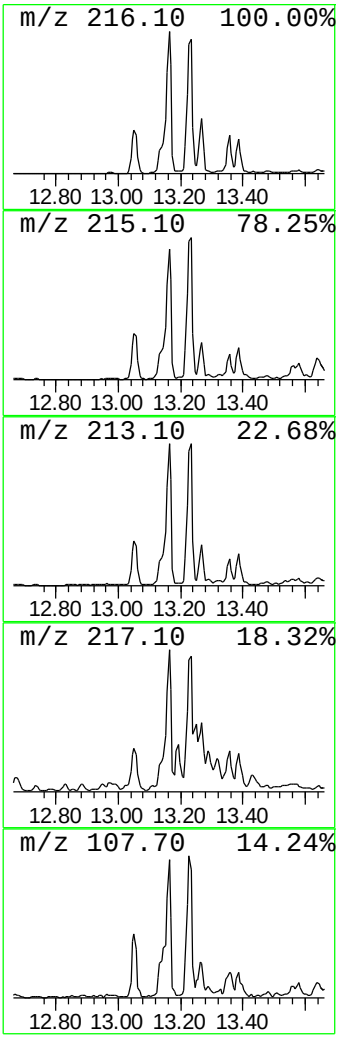
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	8.09 ng	6757690	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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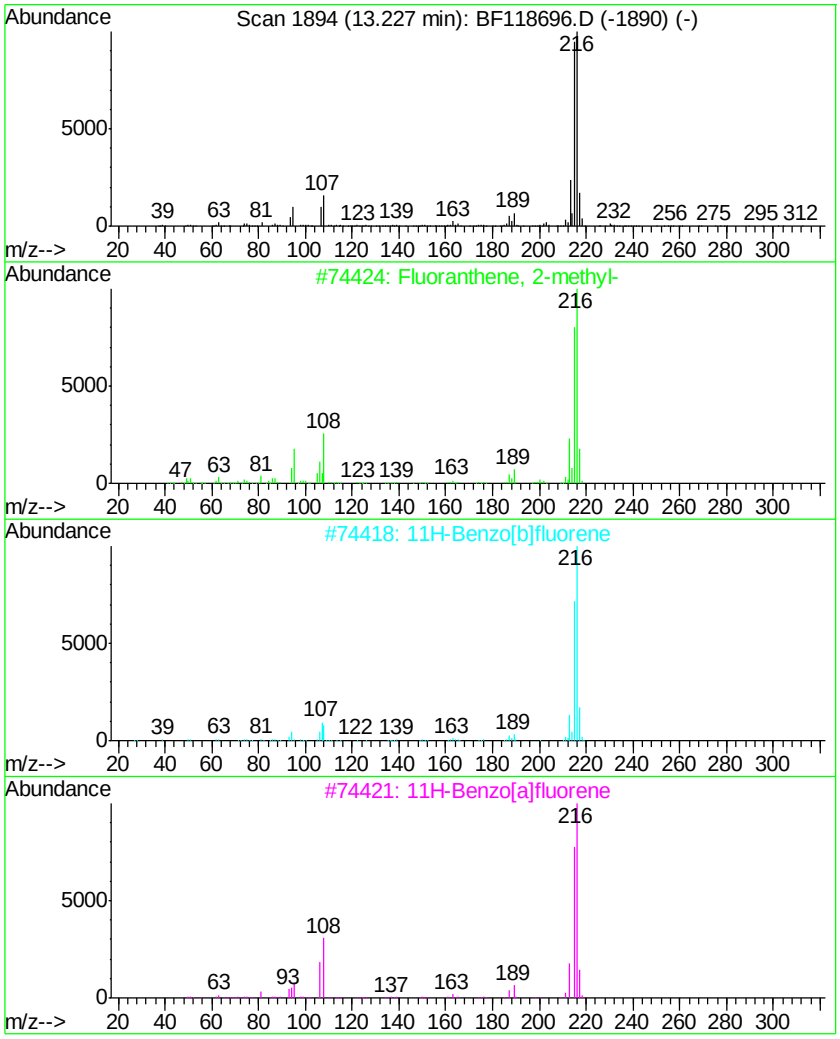
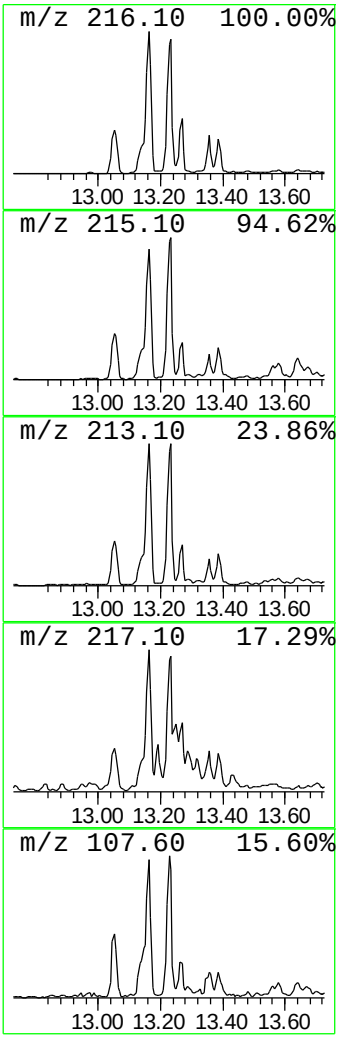
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	8.97 ng	7485960	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

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Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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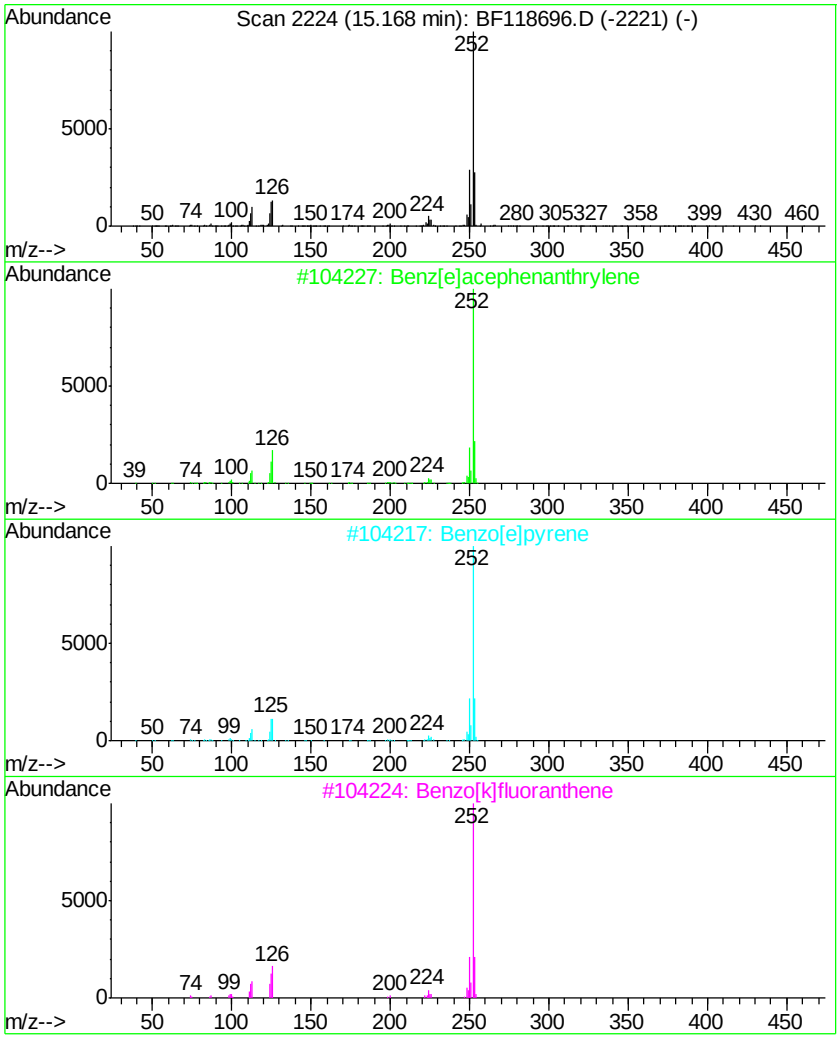
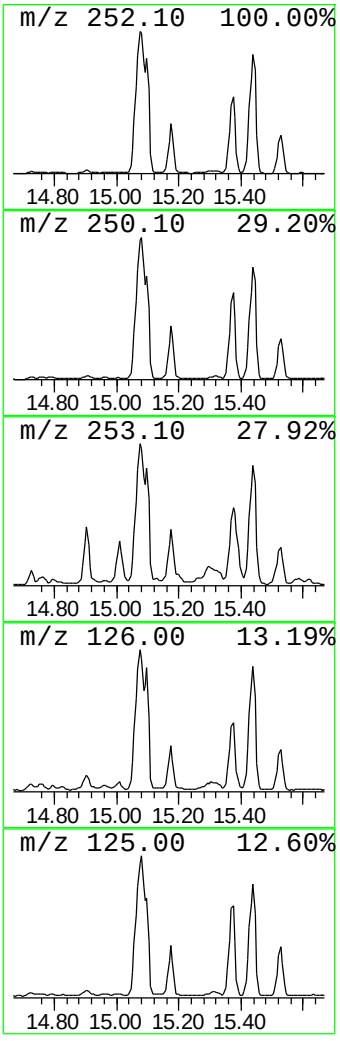
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	21.70 ng	2085500	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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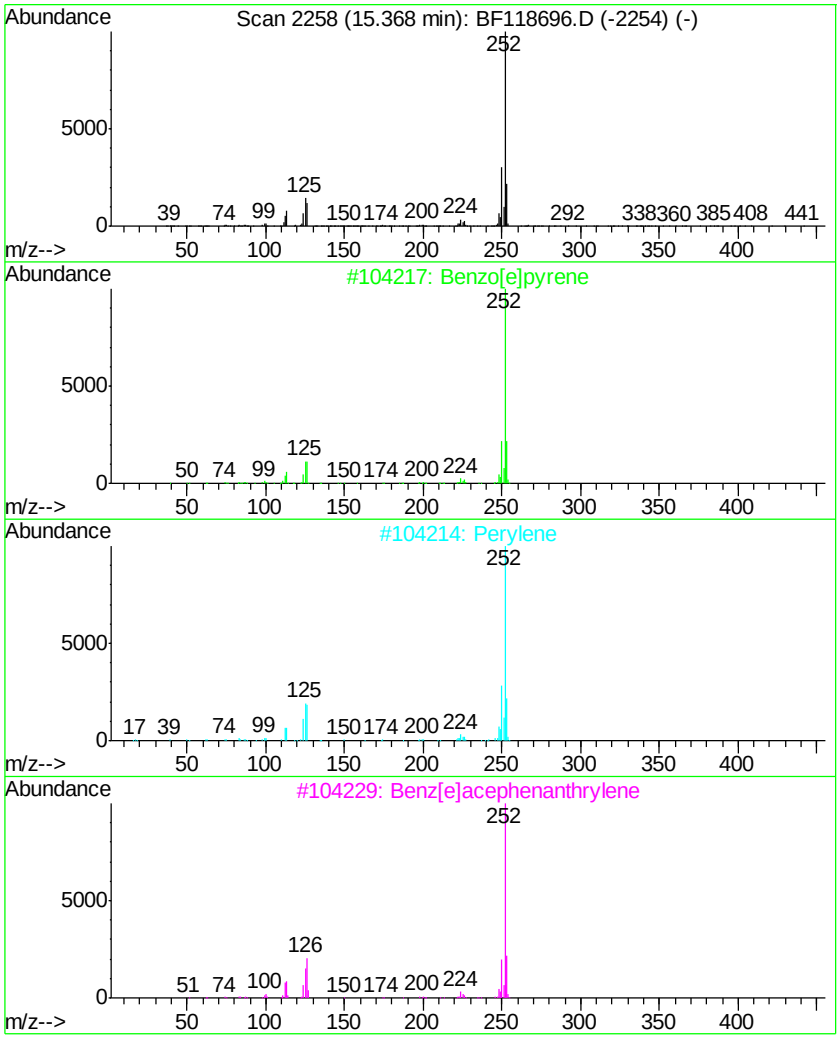
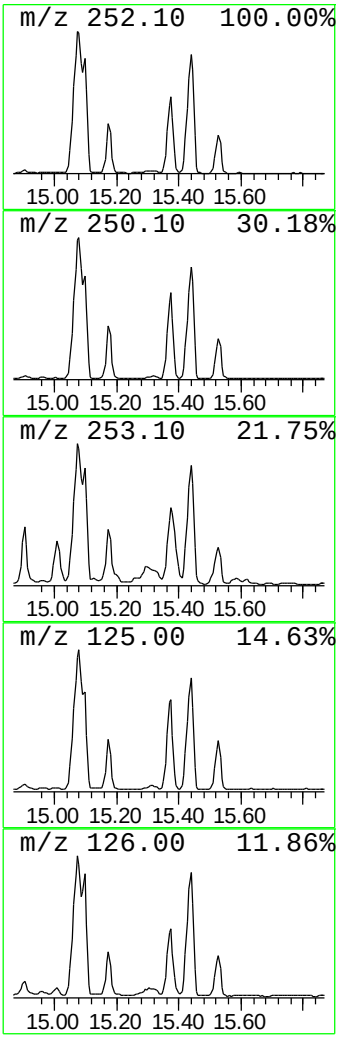
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	46.83 ng	4499950	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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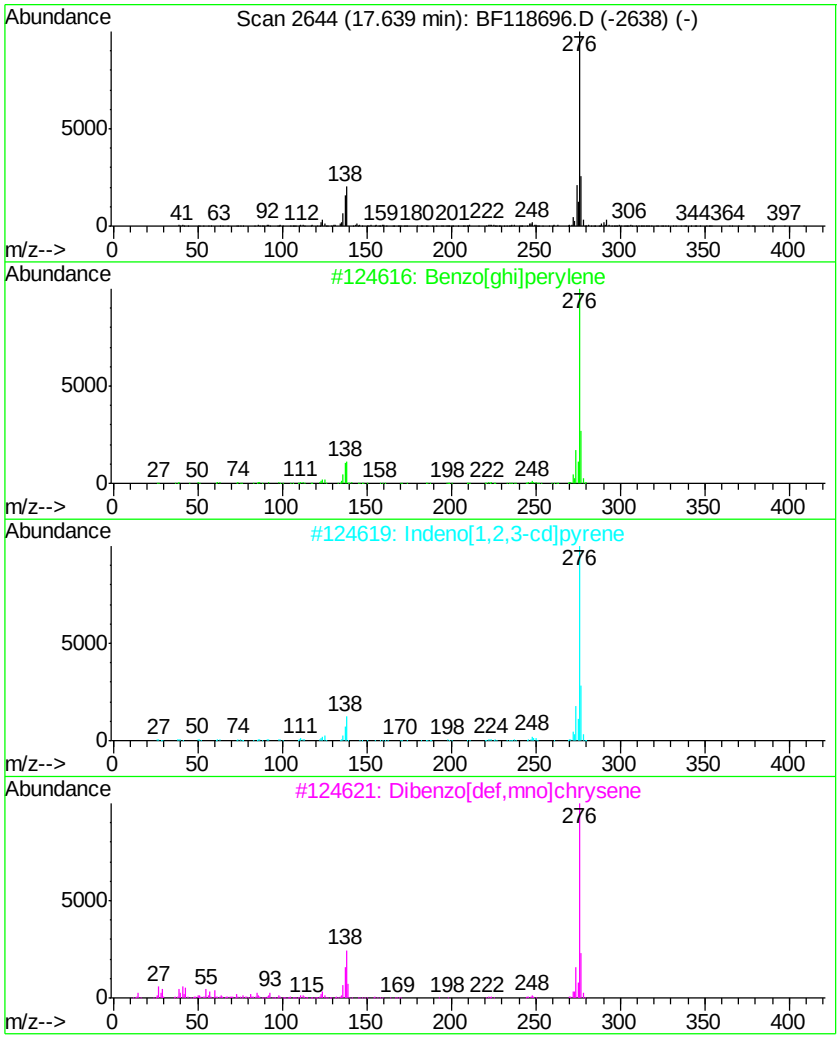
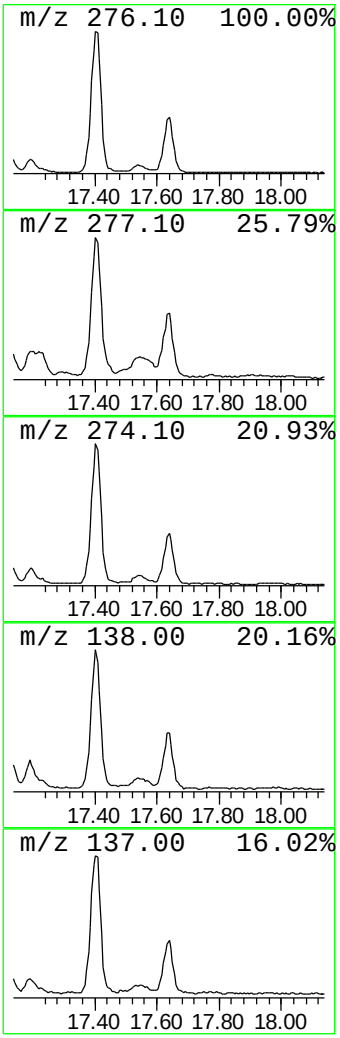
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	11.37 ng	1092760	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012420\
Data File : BF118696.D
Acq On : 24 Jan 2020 20:10
Operator : CG/JU
Sample : L1238-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CLIFTON-POLES

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	7.05	23.0	ng	1614330	1	6.86	1403190	20.0
Naphthalene, 2-et...	9.42	13.7	ng	3658050	3	9.90	5361130	20.0
Naphthalene, 1,5-...	9.50	40.8	ng	10940200	3	9.90	5361130	20.0
Naphthalene, 2,3-...	9.57	34.9	ng	9365210	3	9.90	5361130	20.0
Naphthalene, 1,6-...	9.59	20.1	ng	5399580	3	9.90	5361130	20.0
Naphthalene, 1,7-...	9.68	29.2	ng	7839120	3	9.90	5361130	20.0
Naphthalene, 2,3,...	10.01	7.6	ng	2043380	3	9.90	5361130	20.0
1-Isopropenylnaph...	10.06	7.6	ng	2044870	3	9.90	5361130	20.0
Naphthalene, 1,6,...	10.22	9.1	ng	2441440	3	9.90	5361130	20.0
Naphthalene, 1,4,...	10.25	11.3	ng	3018010	3	9.90	5361130	20.0
4,6,8-Trimethylaz...	10.31	8.4	ng	2254340	3	9.90	5361130	20.0
2-Benzhydrylsulfa...	10.55	16.0	ng	4289990	3	9.90	5361130	20.0
Diphenylmethane	10.59	12.8	ng	3442150	3	9.90	5361130	20.0
Dibenzofuran, 4-m...	10.61	19.2	ng	5150950	3	9.90	5361130	20.0
4H-Cyclopenta[def...	12.02	6.6	ng	14762200	4	11.39	44649200	20.0
11H-Benzo[b]fluorene	13.16	8.1	ng	6757690	5	14.03	16697200	20.0
11H-Benzo[a]fluorene	13.23	9.0	ng	7485960	5	14.03	16697200	20.0
Benzo[e]pyrene	15.17	21.7	ng	2085500	6	15.50	1921890	20.0
Perylene	15.37	46.8	ng	4499950	6	15.50	1921890	20.0
Dibenzo[def,mno]c...	17.64	11.4	ng	1092760	6	15.50	1921890	20.0